

Diesel Exhaust After-Treatment Devices

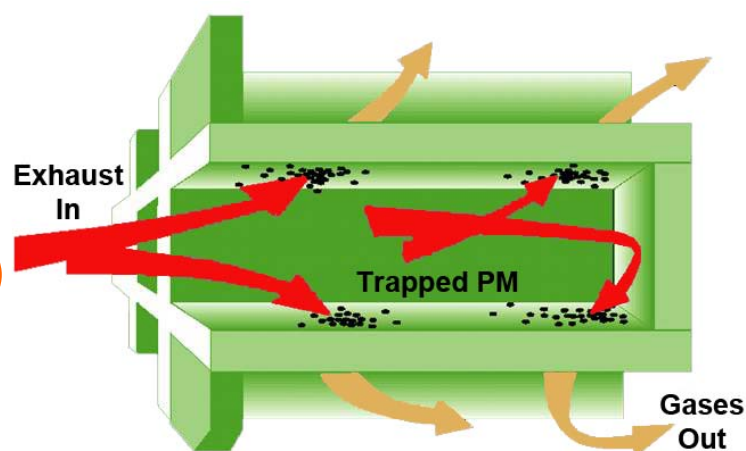
Diesel exhaust after-treatment devices including diesel particulate filter (DPF) technology are in the forefront of California's Diesel Risk Reduction Program. Retrofit DPF's have been verified by ARB to effectively reduce diesel emissions from diesel-fueled internal combustion engines by at least 85% and original equipment manufactured devices help achieve the 0.01 gram per brake horsepower particulate matter (PM) on-road standard. This course discusses diesel particulate matter and their health effects; diesel engine PM and NO_x production and control strategies; DPF theory, operation, construction, and application; as well as regulations requiring particulate filters. Topics include: diesel oxidation catalysts, continually regenerating traps, NO_x catalysts, ammonia slip, selective catalytic reduction, NO_x adsorber catalysts in addition to passive, active, online and offline regenerating strategies. **Also included in the course is an optional field trip the following day to see real application of DPFs at a representative facility to be announced at time of class.**

August 18, 2010

8:30 AM - 5:30 PM

(August 19 - Optional Field Trip)

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